Modification history

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| Release | Comments |
| Release 1 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 4.0. |

| AHCDRG307 | Troubleshoot drainage systems |
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| Application | This unit of competency describes the skills and knowledge required to troubleshoot issues in drainage systems.  The unit applies to individuals who troubleshoot drainage systems under broad direction and take responsibility for their own work.  This unit is for industry specific drainage application not home-based.  No licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Drainage (DRG) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare for work | 1.1 Identify drainage system issues and develop plans to rectify them  1.2 Locate the affected section of drainage system  1.3 Determine work requirements and responsibility for repair  1.4 Select materials, tools, equipment and machinery  1.5 Identify potential hazards and risks and implement safe working practices to manage risks  1.6 Minimise environmental impacts of drainage system maintenance activities  1.7 Select, fit, use and maintain personal protective equipment applicable to the task  1.8 Carry out pre-operational and safety checks on tools, equipment and machinery |
| 2. Determine access to drainage system | 2.1 Read drainage system plan and locate access points  2.2 Carry out digging to access drainage system without unnecessary damage to buildings, site, environment or existing fixtures and fittings |
| 3. Carry out work | 3.1 Use safe manual lifting and handling techniques for drainage related equipment  3.2 Access drainage system and rectify identified issue  3.3 Test drainage system to confirm issue has been rectified  3.4 Repair or reseal drainage system to permit normal use  3.5 Advise relevant personnel when repairs are completed and drainage system has been commissioned for use |
| 4. Complete work | 4.1 Clean work area and dispose of debris and waste  4.2 Clean and maintain tools and equipment  4.3 Report and record repair activities |

| Foundation Skills  This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria. | |
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| Skill | Description |
| Reading | * Interpret textual information from a range of sources to identify relevant and key information about workplace operations |
| Oral communication | * Use clear language to report drainage system repair activities |
| Navigate the world of work | * Recognise and follow workplace requirements, including safety requirements, associated with own role and area of responsibility |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCDRG307 Troubleshoot drainage systems | AHCDRG303 Troubleshoot drainage systems | Performance criteria clarified  Foundation skills added  Assessment requirements updated | Equivalent unit |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet:  <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72> |

| TITLE | Assessment requirements for AHCDRG307 Troubleshoot drainage systems |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.  There must be evidence that the individual has troubleshot and repaired a drainage system on at least one occasion and has:   * identified a range of drainage system issues, including surface and sub-surface issues * planned and prepared for the work * inspected the site to determine access to drainage system * completed a range of rectification works for drainage systems * tested the system and cleaned up after rectifying identified issues. | |

| Knowledge Evidence |
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| An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:   * drainage system repair work instructions and procedures * types and operational parameters of drainage systems * types of drainage systems and issues common these systems * principles and practices of drainage system troubleshooting * components used in drainage systems * safe working practices applicable to troubleshooting and repairing drainage systems * environmental impacts of drainage systems. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * a workplace setting or an environment that accurately represents workplace conditions * resources, equipment and materials: * drainage system repair work instructions and workplace procedures * drainage system equipment * drainage system repair tools, equipment and machinery * personal protective equipment applicable to repairing drainage systems * relationships: * supervisor * timeframes: * according to job requirements.   Assessors of this unit must satisfy the requirements of assessors in applicable vocational education and training legislation, frameworks and/or standards. |

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